



POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION V	SITE NUMBER (to be assigned by HQ)
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NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME Pristine, Inc.		B. STREET (or other identifier) Big Four & Smalley Roads	
C. CITY Reading	D. STATE Ohio	E. ZIP CODE	F. COUNTY NAME Hamilton
G. OWNER/OPERATOR (if known) 1. NAME Jack Salters, Plant Manager		2. TELEPHONE NUMBER 513/563-8985	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			

I. SITE DESCRIPTION

Section 33 T. 4 R. 1. Sycamore Twp. Reading, Ohio

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)

USEPA

US EPA RECORDS CENTER REGION 5

K. DATE IDENTIFIED (mo., day, & yr.)

L. PRINCIPAL STATE CONTACT

1. NAME

Ken Marsh



446222

2. TELEPHONE NUMBER

614/466-6542

II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM <input checked="" type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN	
B. RECOMMENDATION <input type="checkbox"/> 1. NO ACTION NEEDED (no hazard) <input checked="" type="checkbox"/> 2. IMMEDIATE SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: b. WILL BE PERFORMED BY: <input type="checkbox"/> 3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: b. WILL BE PERFORMED BY: <input type="checkbox"/> 4. SITE INSPECTION NEEDED (low priority)	

C. PREPARER INFORMATION

1. NAME

2. TELEPHONE NUMBER

3. DATE (mo., day, & yr.)

III. SITE INFORMATION

A. SITE STATUS <input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.) <input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input type="checkbox"/> 3. OTHER (specify): (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)	
B. IS GENERATOR ON SITE? <input checked="" type="checkbox"/> 1. NO <input type="checkbox"/> 2. YES (specify generator's four-digit SIC Code):	
C. AREA OF SITE (in acres) 13.3	D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES 1. LATITUDE (deg., min., sec.) 2. LONGITUDE (deg., min., sec.)
E. ARE THERE BUILDINGS ON THE SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify): Incinerator Complex, Office	

V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

As Reported Being Present on 4-4-79

- Cyanide Plating Wastes
- Chromic Waste Solution
- Tetrahydrofuran
- Chlorinated Solvents

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

Supposedly the number of drums on site has been reduced to under 4600

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH	X	X		See USEPA CDP
3. NON-WORKER INJURY/EXPOSURE	X	X		See USEPA CDP
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER	X			
8. CONTAMINATION OF SURFACE WATER	X			
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR	X			
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X			
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION	X	X		See USEPA CDP
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS	X			
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES	X			
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

BACKGROUND INFORMATION
COLLECTED DURING PRELIMINARY INVESTIGATION
AND OFF SITE RECONNAISSANCE

1. Ownership

A. Pristine

Oren Long & Jane Long (1/2) and Chester Long & Pauline Long (1/2).

B. Carstab

As of 1956 & 65 deeds of Record. It is Carlisle Chemical Works, Inc.

2. Physical Description

Section 33, Township 4, Range 1, Sycamore Twp., City of Reading, County of Hamilton, State of Ohio:

A. Pristine, Inc.

1. Exact Location - As described in deeds.

2. Size - 13.327 Acres

B. Carstab

1. Exact Location - As described in deeds.

2. Size - Approx. 33 Acres

C. For Both Sites

1. Topography - Gently sloping hillside to flat flood plain

2. Site Plans - See Figure #1

3. Photos - Off site reconnaissance photos are attached

3. Nature of Material at Site

A. Pristine

1. Containers - 3000-4000 drums, tanks and a pit

2. Wastes - Liquid

3. Chemicals - As reported by the USEPA: sulfuric acid, hydrochloric acid, tetrahydrofuran, chromic acid, chlorinated hydrocarbons, and other chemicals.

B. Cincinnati Drum

1. Containers - Empty drums

2. Wastes - None reported

C. Carstab

Reportedly an unknown number of drums containing unknown chemicals were buried on site.

4. Description of Surrounding Area

Private Residences - Trailer court east of Pristine, and a city park and high school stadium are south of Carstab

Surface Waters - Mill Creek west of site.

Surrounding Land Use - See Figures 2 & 3.

Public drinking water wells - City of Reading Well Field is adjacent to site. Nine (9) wells are approximately 155' deep.

5. Geology and Groundwater

Types of Soils - See Table #1, Soil description.

Depth to groundwater - possible shallow aquifer located at varying depths between 5' to 25' depth.

Direction of Groundwater Flow - For the shallow Aquifer, towards Mill Creek.

Estimates of Erosion and Runoff - Erosion along river bank
Surface water runoff is probable

6. Flora and Fauna

Decisuous species and groundcover surrounded the site.

Typical prairie species were evident.

7. Climatic and Air Resources

Typical for area

8. Sampling and Chemical Analysis History

A. Status of State and Local Involvement

The USEAP has filed a 311 against Pristine

State of Ohio has entered into a partial consent decree agreement with Pristine

B. Permits

Pristine has an Ohio Air Permit

C. Sampling & Analytical History

The State of Ohio and the USEPA have both taken samples in the area. However, only the USEPA results have been made available.

9. Known or Alleged Hazards

As reported on Potential Hazardous Waste Site Identification and Preliminary Assessment Form, and USEPA Case Development Plan.

10. Medical Support

As noted on Site Safety Plan

SUMMARY
OFF-SITE RECONNAISSANCE

Highlights from the off-site reconnaissance conducted on June 25 are as follows:

1. Environmental Monitoring and Sampling

There could be problems with getting a drilling rig into location because of power lines and ground cover near the sloping banks next to the creek.

2. Photos

20 photos were taken of the area

3. Access Roads

There is only one entrance to Pristine and one to Carstab

4. Interviews

Discussions were held with the fire chief and a neighbor in the trailer parks.

5. Surrounding Land Use Indicated Possible Other Major Sources of Pollution

City Landfill NE of Pristine

Ash Disposal N of Pristine with some random dumping

Discharge Creek from GE or Water Plant

Drums on Cincinnati Drum



ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

TO: File

FROM: Fred Bauer^{FB} & Rod Bloese^{RTB}

DATE: July 21, 1980

RE: Completion of Element #3 of TDD F5-8007-2
and Scheduling of the Proposed Field Investigation Plan

The first three (3) elements of TDD F5-8007-2 have been completed and the proposed field investigation has been reviewed and approved by Mr. Tony Holoska of Enforcement. Attached for the file are the following items.

- A TDD Form outlining the specific elements and their interim deadlines for the Field Plan.
- EPA Form T2070-2, Potential Hazardous Waste Site Identification and Preliminary Assessment completed, recommending the immediate needed for a site inspection.
- A summary of the pertinent Background Information collected during the Preliminary Investigation and off site reconnaissance, along with three (3) figures.
- The proposed site inspection and field investigation plan initialed by Mr. Tony Holoska on 7-16-80.
- Two (2) site safety plans, one for Pristine/Cinn. Drum and one for Carstab. Both have been received by Bob King for his approval.

The dates outlined in the Field Plan are dependent upon securing a drilling contractor and laboratory turn around time for the analytical work.

FB/ct

cc: Tony Holoska, EPA Enforcement-Region V
Barbara Magel, EPA Enforcement-Region V

1. COST CENTER EP(*)	TECHNICAL DIRECTION DOCUMENT (TDD) UNCONTROLLED HAZARDOUS WASTE SITE PROJECT ecology and environment, inc.			2. No. <u>TDD F5-8007-2A</u>
3. Priority: <input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low	4. Authorized Overtime <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. EPA Site Identification Number <u>Pristine, Ohio</u>	6. Completion Date: <u>Oct. 17, 1980</u>	7. Reference Info: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Pick Up
8. General Task Description: <u>Full field investigation of Pristine - Cincinnati Drum and Carstab with emphasis on the shallow aquifer. Tasks are outlined in detail on attachment</u>				
9. Specific Elements: <u>4A) Contact City of Reading, OEPA, Pristine, Cinn. Drum, and Carstab officials of proposed on-site inspection and field investigation plans</u> <u>4B) Complete on-site inspections and field investigations of Pristine-Cinn. Drum and Carstab</u> <u>4C) Contract drilling completed (borings/wells)</u> <u>4D) Obtain water samples from monitoring wells</u> <u>4E) Lab results for soil & water samples complete</u> <u>4F) Complete field investigation report</u>			10. Interim Deadlines <u>July 21</u> <u>August 1</u> <u>August 29</u> <u>September 5</u> <u>October 3</u> <u>October 17</u>	
11. Desired Report Form: Formal Report <input type="checkbox"/> Letter Report <input type="checkbox"/> Formal Briefing <input type="checkbox"/> Other (Specify): _____				
12. COMMENTS: <u>The above dates are dependent upon securing a drilling contractor and laboratory turn around time</u>				
13. Authorizing DPO: _____ (Signature)			14. Date: _____	
15. Received By: <input type="checkbox"/> Accepted <input type="checkbox"/> Accepted with exceptions <input type="checkbox"/> Rejected _____ (FITL Signature)			16. Date: _____	

Exceptions Comments From (15)

Sheet 1 White - FITL Copy
 Sheet 2 Canary - DPO Copy
 Sheet 3 Pink - Contracting Officer's Copy (Washington, D. C.)
 Sheet 4 Goldenrod - Project Officer's Copy (Washington, D. C.)
 ☐ Photocopy to E & E NPM (Washington, D. C.)



POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION SITE NUMBER (to be assigned by HQ)
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H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			

I. SITE DESCRIPTION

Section 33 T.4 R.1 Sycamore Twp. Reading, Ohio

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) USEPA	K. DATE IDENTIFIED (mo., day, & yr.)
L. PRINCIPAL STATE CONTACT 1. NAME Ken Harsh	2. TELEPHONE NUMBER 614-466-6542

II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM <input checked="" type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN	
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 Tetrahydrofuran
 Chlorinated solvents

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

Supposedly the number of drums on site has been reduced to 4000.

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH	X	X		See USEPA CDP
3. NON-WORKER INJURY/EXPOSURE	X	X		" " "
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER	X			
8. CONTAMINATION OF SURFACE WATER	X	X		311 Action pending
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR	X	X		See USEPA CDP
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X	X		USEPA Surface soil samples
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION	X	X		See USEPA CDP
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS	X	X		" " "
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES	X	X		See USEPA CDP
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

BACKGROUND INFORMATION
COLLECTED DURING PRELIMINARY INVESTIGATION
AND OFF SITE RECONNAISSANCE

1. Ownership

A. Pristine

Oren Long & Jane Long his wife (1/2) and Chester Long & Pauline Long his wife (1/2).

B. Carstab

As of 1956 & 65 deeds of Record, it is Carlisle Chemical Works, Inc.

2. Physical Description

Section 33, Township 4, Range 1, Sycamore Twp., City of Reading, County of Hamilton, State of Ohio:

A. Pristine, Inc./Cincinnati Drum

1. Exact location - As described in deeds.
2. Size - 13.327 acres

B. Carstab

1. Exact location - As described in deeds.
2. Size - Approx. 33 acres

C. For Both Sites

1. Topography - Gently sloping hillside to flat flood plain
2. Site plans - See Figure #1
3. Photos - Off site reconnaissance photos are attached.

3. Nature of Material at Site

A. Pristine

1. Containers - 3000-4000 drums, tanks and a pit
2. Wastes - Liquid
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B. Cincinnati Drum

1. Containers - Empty drums
2. Wastes - None reported

C. Carstab

Reportedly an unknown number of drums containing unknown chemicals were buried on site.

4. Description of Surrounding Area

Private residences - Trailer court east of Pristine, and a city park and high school stadium are south of Carstab.

Surface Waters - Mill Creek west of site.

Surrounding Land Use - See Figures 2 & 3

Public drinking water wells - City of Reading Well Field is adjacent to site. Nine (9) wells are approximately 155' deep.

5. Geology and Groundwater

Types of soils - See Table #1, Soil Description.

Depth to groundwater - Boring Logs obtain for the area indicates a possible shallow aquifer located at varying depths between 5' to 25' depth.

Direction of Groundwater Flow - For the shallow aquifer, towards Mill Creek.

Estimates of Erosion & Runoff - Erosion along Creek bank. Surface water is probable.

6. Flora and Fauna

Descisuous species and groundcover surrounded the site.

Typical prairie species were evident.

7. Climatic and Air Resources
Typical for area.

8. Sampling and Chemical Analysis History

A. Status of State and Local Involvement

-The USEPA has filed a 311 action against Pristine

-State of Ohio has entered into a partial consent decree agreement with Pristine.

B. Permits

Pristine has an Ohio Air Permit.

C. Sampling & Analytical History

The State of Ohio and the USEPA have both taken samples in the area. However, only the USEPA results have been made available.

9. Known or Alleged Hazards

As reported on Potential Hazardous Waste Site Identification and Preliminary Assessment Form, and USEPA Case Development Plan.

10. Medical Support

As noted on Site Safety Plan.

Table #1

Ut - Patton (Urban), East half of Carstab and all of Pristine

Ux - Stonelick (Urban), Follows the Creek across the west half of Carstab
and almost all of Cinn. Drum

Patton series consists of poorly drained soils formed in silty sediments in depressions on terraces and lake plains. The surface layer is very dark-gray silty clay, loam 15 inches thick. The subsoil is mottled dark-gray, dark-brown and dark grayish-brown silty clay loam 20 inches thick. The underlying material is mottled grayish-brown and light brownish-gray stratified silty clay loam and silt loam. Slopes range from 0 to 2 percent. Most areas are cultivated.

Flooding is rare to common of brief duration from Dec. to May.

High water table is +5 - 2.0 ft.

Poor for sanitary landfills due to ponding & flooding.

Stonelick series consists of deep, well drained soils farmed in stratified alluvium on flood plains. Locally these soils have a brown sandy loam surface layer 12 inches thick. The stratified underlying layers are brown and dark grayish brown loamy sand, sandy loam, and foam. Slopes range from 0 to 2 percent. Areas are used for cropland, pasture and woodland.

Flooding is common of very brief duration from Nov. to June.

High water table is 6.0 ft.

Severe for sanitary landfills due to floods and seepage.

ct

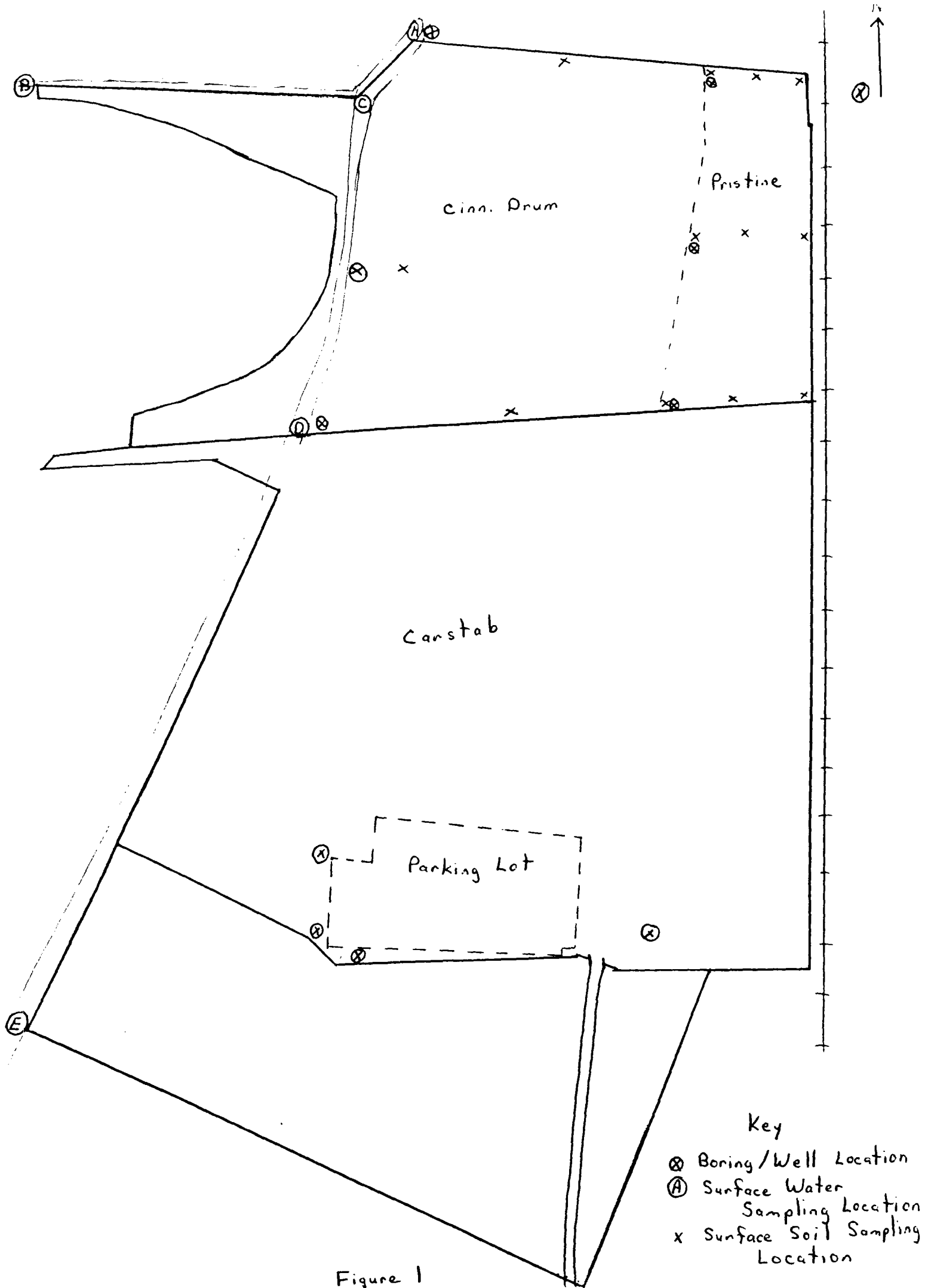


Figure 1

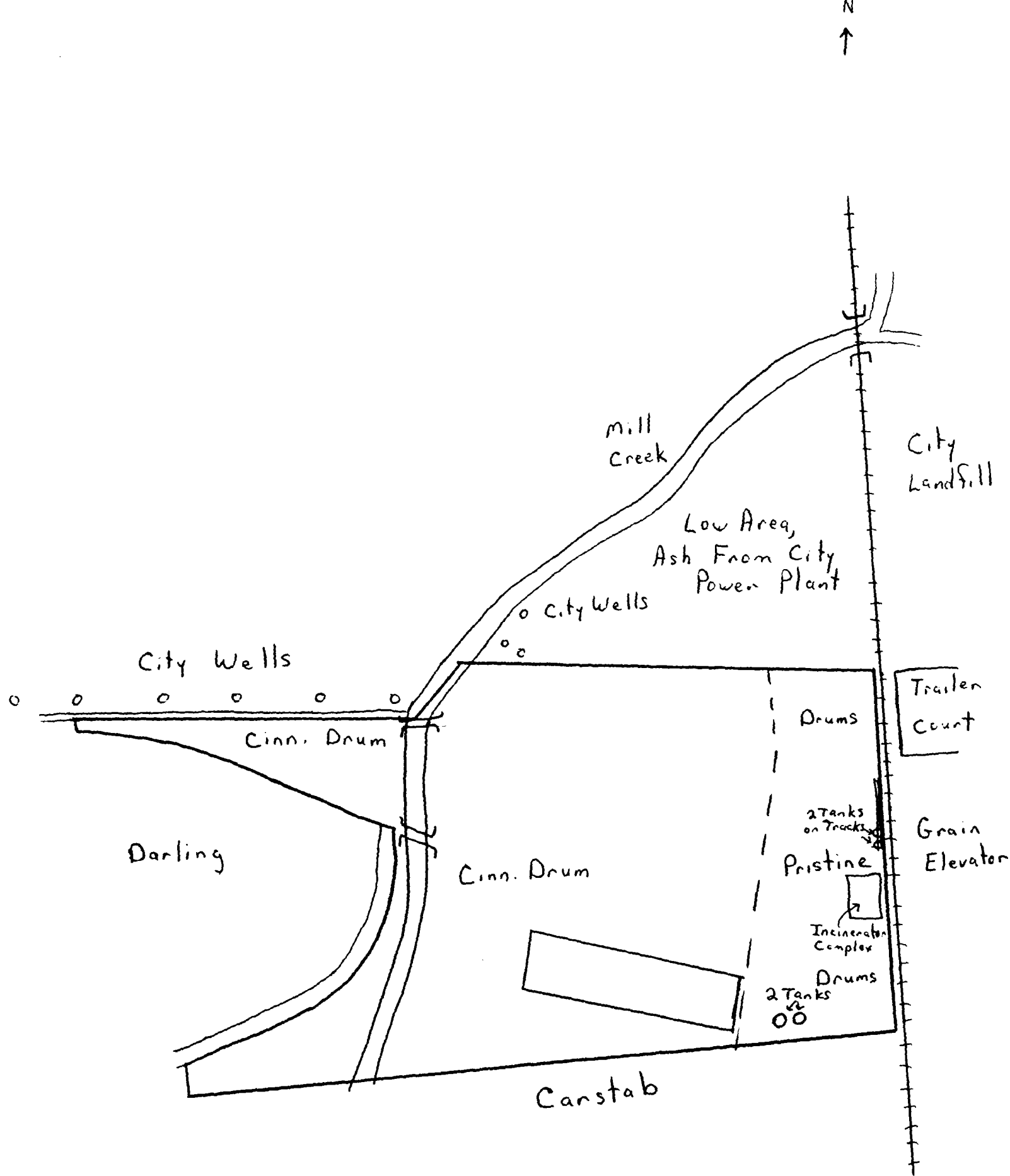


Figure 2

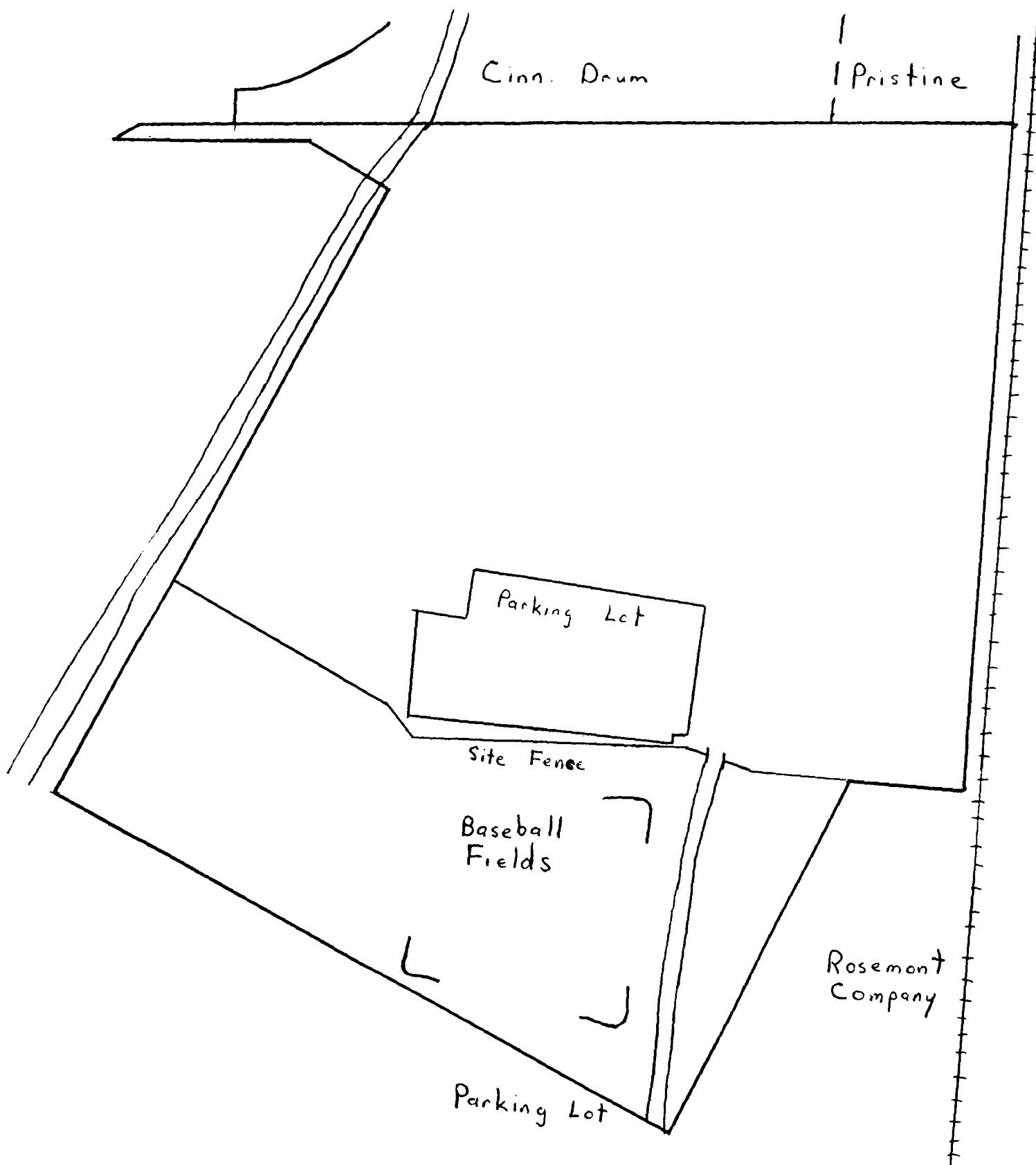


Figure 3